

19990102.ba v02_n362.bam.990102 v02_n363.bam.990102

>From ???@??? Sat Jan 02 15:12:41 1999
Message-Id: <199901021628.KAA21947@sco.theporch.com>
Date: Sat, 2 Jan 1999 10:27:57 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2362

BOATANCHORS Digest 2362

Topics covered in this issue include:

- 1) RE: Heddy Lamarr
by Jderm740@aol.com
- 2) Re: Two Questions
by Jim Roik <jnroik@escape.ca>
- 3) Re: Steam Whistles
by Scott Robinson <spr@earthlink.net>
- 4) Re: unk Mil connectors
by mblair@gruumsh.irv.ca.us
- 5) Re: Two Questions
by "Barry L. Ornitz" <ornitz@tricon.net>
- 6) ? equipment id question ?
by Phil Mills <pmills@a.crl.com>
- 7) re: unk Mil connectors
by Tom Norris <badger@telalink.net>
- 8) Re: Mail Order Business
by Garey Barrell <k4oah@mindspring.com>
- 9) Re: ? equipment id question ?
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 10) Re: Two Questions
by Charles Kadesch <chas@digizen.net>
- 11) Help with MARS SSB Convertor
by Tom Norris <badger@telalink.net>
- 12) Re: Mail Order Business
by "Arden Allen" <gumbear@pacbell.net>
- 13) RE: 38103A
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 14) RA-10CB
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 15) U-77, 229/U
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 16) Re: Steam Whistles
by Bill Hawkins <bill@iaxs.net>
- 17) Tubes for Zenith trans - oceanic
by "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
- 18) Johnson Valiant Need

- by Sandra L Knepper <slkst29+@pitt.edu>
- 19) FS/FT: BC-614-I Speech Amp
by Greg Carter <kx4r@atl.mindspring.com>
- 20) Compactrons
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 21) RA-10CB
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 22) Re: ? equipment id question ?
by "Roberta J. Barmore" <rbarmore@indy.net>
- 23) Re: ? equipment id question ?
by Charles Ring <charlesr@infonline.net>
- 24) FS: Navy ATD and Army BC-604-A (local pickup preferred --
eastIA, noIL, soWisc)
by kb9iua@juno.com (Kevin L Anderson)
- 25) FS: Heathkit Manuals
by Bill Robbins <billrobb@net-link.net>
- 26) Re: Steam Whistles - only safer.....
by John Dilks <oldradio@worldnet.att.net>

From: Jderm740@aol.com
Message-ID: <6dc3a620.368d67f2@aol.com>
Date: Fri, 1 Jan 1999 19:27:30 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: RE: Heddy Lamarr
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

A good article about her inventiveness is in the Spring 1997 issue of
"Invention & Technology"

Jack

Message-Id: <3.0.1.32.19990101191658.00694324@mail.escape.ca>
Date: Fri, 01 Jan 1999 19:16:58 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Roik <jnroik@escape.ca>
Subject: Re: Two Questions
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a GE manual "Essential Characteristics", eleventh edition, 1964
which gives some data about compactrons. I don't know if it covers all, but
if there is a specific tube/tubes you need data for I might be able to help.

Jim

At 03:52 PM 1/1/99 EST, you wrote:

>Hi

>Does anyone know what tube manual covers Compactrons?

>Does anyone know where I can get one?

>I pcked up a box ox tubes, sight unseen, and some of these where in there.

>My latest RCA manual is RC-24 and my Sylvania is 1959 plus supplements.

>No info. Even my old catalogs don't give a clue.

>

>Jack

>

>

Message-Id: <v03007805b2b32c16479f@[153.35.211.186]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 1 Jan 1999 17:52:56 -0800

To: Old Tube Radios <boatanchors@theporch.com>

From: Scott Robinson <spr@earthlink.net>

Subject: Re: Steam Whistles

About steam whistles:

they will sound different when powered by steam due to condensation in the critical orifices of the whistle than when blown with compressed air. The air's a lot safer, though...

Happy New Year,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

From: mblair@gruumsh.irv.ca.us
Message-Id: <199901020218.SAA31279@gruumsh.irv.ca.us>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Kargokult@aol.com
Subject: Re: unk Mil connectors
Date: Fri, 01 Jan 1999 18:18:06 -0800

> anyone know what these are?

> U-77 / U (with FRANK under the number 10 pin)

This is the standard audio connector for 1950's-1960's US ground-based (i.e., vehicular, manpack, etc.) radio sets. It was commonly used on handsets, microphones, headsets and speakers. It's also used on the German SEM-25 radio set; I don't know what other countries might have used this connector. "FRANK" is probably the manufacturer.

> U-229/U (5 pin)

I think this is the standard audio connector used on 1960's-present day US ground-based radio sets, replacing the U-77/U.

--

Mark J. Blair, KE6MYK <mblair@gruumsh.irv.ca.us>
PGP 2.6.2 public key available from <http://pgp.ai.mit.edu/>
Web page: <http://members.home.net/mblair1>
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE

From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors Mailing List" <boatanchors@sco.theporch.com>
Subject: Re: Two Questions
Date: Fri, 1 Jan 1999 21:16:27 -0500
Message-ID: <01be35f5\$e763f560\$d24562d8@ornitz.dpnnet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jack,

Compactrons date from the early to mid-1960's. They were the last gasp for vacuum tubes as transistors were rapidly replacing tubes in virtually all equipment. Compactrons usually have 9 to 12 pin bases and may contain as many as three or four internal sections. Often they came in oddball filament voltages to work in series strings for television sets. I have a sweep generator (Telonic SPI-64) that uses them. Some are difficult to find since so few were made, but very few ham rigs ever used them. My 1968 RCA manual lists many of them.

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

Message-Id: <3.0.1.32.19990101124602.0068d55c@a.crl.com>
Date: Fri, 01 Jan 1999 12:46:02 -0600
To: Old Tube Radios <boatanchors@theporch.com>

From: Phil Mills <pmills@a.crl.com>
Subject: ? equipment id question ?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can anyone tell me what these things are....

On page 17 of the December ER, there are two identical units in top of the rack above Fred Hammond and his receivers. I don't recognize them and can't put them in context with the rest of the gear in the picture.

Any info appreciated.

thanks & 73,
Phil

Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

Message-Id: <3.0.5.32.19990101205556.009aa2b0@mail1.telalink.net>
Date: Fri, 01 Jan 1999 20:55:56 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: re: unk Mil connectors
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sandy asks what thes are, and I answered thusly:

>U-229/U (5 pin)

The new "GRC/PRC" Audio connectors. Used on the PRC-77 and newer including current issue gear. Used for mics, speakers, and some control equipment to connecto to the radio.

>U-77 / U (with FRANK under the number 10 pin)

The "old" style of audio connector, used on the R-392, GRC-106, PRC-6,8,9,10, etc.
Same use as above (speakers, mice, control)

These are the audio connectors used with mil field gear.

73

Tom

Message-Id: <3.0.1.32.19990101215939.0069a6c0@pop.mindspring.com>
Date: Fri, 01 Jan 1999 21:59:39 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Garey Barrell <k4oah@mindspring.com>
Subject: Re: Mail Order Business
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:41 PM 1/1/99 -0800, Jim Hill wrote:

>I'm trying to remember the name and site address of a mail order (and
>probably walk-in) business that some say is connected with Radio Shack. It
>has been mentioned here and in the newsgroups in the past as a source of
>parts, particularly when a particular part is no longer available at Radio
>Shack.
>Thanks, Jim
>

Jim -

There are actually a couple of places associated with R/S.

One is Tech America, about four stores now I think, Atlanta, Denver,
Arizona and I think one other. www.techam.com
They sell parts, chassis and aluminum sheet (wide selection,) books,
Vectronics kits, etc., etc....

The other catalog is IN Radio Shack stores, and has tremendous variety of
parts, etc. They have tubes, batteries (such as the 30V "hearing aid"
battery used in my Triplet 640-NA VOM,) and many other parts. So far as I
know the only access to this source is via a R/S store. You order and they
receive it in a couple of days. Dunno if they have any direct sales.

73,

Garey - K40AH
k4oah@mindspring.com
Atlanta

Mime-Version: 1.0
Date: Fri, 1 Jan 1999 22:12:24 -0800

Message-ID: <00204D84.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: Re: ? equipment id question ?
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Phil and gang,

They look just like my General Radio 1931-A modulation monitor. I'll bet that's what they are.

73, Brian Harris WA5UEK

----- Reply Separator -----
Subject: ? equipment id question ?
Author: pmills@a.crl.com at !SMTP/INTERNET
Date: 1/1/99 12:46 PM

Can anyone tell me what these things are....

On page 17 of the December ER, there are two identical units in top of the rack above Fred Hammond and his receivers. I don't recognize them and can't put them in context with the rest of the gear in the picture.

Any info appreciated.

thanks & 73,
Phil

Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

Message-ID: <368DBF36.5C03@digizen.net>
Date: Fri, 01 Jan 1999 22:39:50 -0800
From: Charles Kadesch <chas@digizen.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Two Questions
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One compactron tube that has found some use in amateur transmitters (at least homebrew) is the 6T9 which is equivalent to half a 12AX7 plus a 6AQ5. It was used in a simple one tube transmitter described in the 1974 "How to become a Radio Amateur" by the ARRL.
-73 de Chas W3KC-

Message-Id: <3.0.5.32.19990101221658.009be740@mail1.telalink.net>
Date: Fri, 01 Jan 1999 22:16:58 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: Help with MARS SSB Convertor
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The past two or three years I have posted to various newsgroups and lists about his receive SSB convertor I found several years ago. This is my annual posting, as none of the previous postings got even a snide remark. :-) I did take some photos -- digital, and not too detailed -- of the unit this time if it would be any help. Please take a look at the site below if you have or may know of someone who could help find a diagram for this unit. It really would look nice in my rack with my R-390A's.

<http://www.telalink.net/~badger/mars/mars.html>

I finally got the courage up to retube it today! It is dead... :-(Has a working power supply, best I can tell, and I did check all the tubes before putting them into the unit. Guess it is time to go a-signal-searchin' with scope and generator....

73 and thanks for any help

Tom KA4RKT

Message-Id: <199901020430.UAA28744@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Mail Order Business
Date: Fri, 1 Jan 1999 20:30:39 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Jim;

> I'm trying to remember the name and site address of a mail order (and
> probably walk-in) business that some say is connected with Radio Shack.
.....

That may be Tech America. I got their catalog recently.....typical
RattyShack stuff with a professional tech bent, more for the hobbiest. I
bought a Panavise from them that was on sale for \$10 off. Their URL is
<<http://www.techam.com/>>. Happy New Year!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Fri, 1 Jan 1999 23:38:07 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: 38103A
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901012338_MC2-6542-1DD7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Bill & Group,

According to my database, 38103 is a Taylor 203A. I would guess that
38103A is probably a 203B. The one that you have would have been made by=

United Electronics Co., but of course you knew that. :-)

Robert Downs
WA5CAB
Houston, TX

Date: Sat, 2 Jan 1999 00:32:43 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RA-10CB
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901020032_MC2-653A-25DD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

I discovered an RA-10CB in the storage building this afternoon. Dirty an=

d
missing the top cover. Anyone interested?

73,
Robert Downs
WA5CAB
Houston, TX

Date: Sat, 2 Jan 1999 00:32:41 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: U-77, 229/U
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901020032_MC2-653A-25DC@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hue & Group

U-229/U is the standard audio connector for all US military equipment from about 1965 on, used on H-189 and H-250 handsets, LS-454 speakers and several headsets, AN/VRC-12 family, AN/PRC-25 family, etc. and all (so far as I know) current gear. U-77/U was the equivalent connector for Korean War vintage equipment, used on H-33 handsets, LS-166 speakers and a lot of headsets, AN/GRC-3..8,10,19, AN/PRC-6,8..10,14,47, etc.

73,
Robert Downs
WA5CAB
Houston, TX

Date: Fri, 1 Jan 1999 23:52:54 -0600 (CST)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199901020552.XAA13378@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Steam Whistles

Yeah, Scott, I was thinking the same thing. The trick is to get a 55 gallon drum, put 10 gallons of water in it, pipe up the whistle(s), and light a fire under it. Just before it bursts (that's the tricky part), pull the handle on the whistle.

Happy New Year, group.
Bill Hawkins

Content-return: allowed
Date: Sat, 02 Jan 1999 03:55:52 -0500
From: "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
Subject: Tubes for Zenith trans - oceanic
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <8B049D471C61D111847C00805FA67B1C010D6CE1@USA0129MS1>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"

Anchorites,

I have just about finished restoring a 1950 trans - oceanic (if you have a web browser you can see pictures of it at <http://www.computer-connection.net/~jwilkows/joe2003.htm>) and have recapped it and replaced the selenium rectifier with a silicon diode (left the selenium one in there for looks) any way, here is my dilemma. I need a 3V4 output audio amp (open filament probably from inrush current) and also a 1L6 (which I know are rare as hen's teeth and just as expensive) it has a very low emission probably not suitable to produce any kind of mixing products.

If you know of a source , please let me know as I am dying to get some pear shaped tones out of this radio.

Thanks once again...

/joe k8fc

Date: Sat, 2 Jan 1999 06:30:05 -0500 (EST)
From: Sandra L Knepper <slkst29+@pitt.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson Valiant Need
Message-ID: <Pine.GS0.3.96L.990102062924.29677H-100000@unixs2.cis.pitt.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A friend of mine is looking for the low voltage transformer for the Valiant. Does anyone have a "spare?" Thank you.

Dave, W3ST

Publisher of the Collins Journal
Homepage: <http://www.pixi.com/~jenkins/collins>

Message-Id: <3.0.5.16.19990102021824.30ff572e@pop.atl.mindspring.com>
Date: Sat, 02 Jan 1999 02:18:24 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Greg Carter <kx4r@atl.mindspring.com>
Subject: FS/FT: BC-614-I Speech Amp
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello and Happy New Year to All !

I'm posting this for a friend with no Internet access.
I thought it might be of some interest to those out there
with BC-610's.

BC-614-I serial #403 Order 3357-Phila-52
Made by Hallicrafters
Would like to sell or trade.
Please contact Harold Dale WB4AEG
Phone 770-773-3189 Adairsville, Ga

73 ! Greg KX4R

Message-Id: <199901021356.FAA19554@magpie.prod.itd.earthlink.net>
Subject: Compactrons
Date: Sat, 2 Jan 1999 07:57:32 -0600
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Compactrons were used in a number of heathkit products.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Sat, 2 Jan 1999 09:11:42 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RA-10CB

To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901020912_MC2-6543-1D69@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

The RA-10CB that I mentioned last night is a Bendix aircraft receiver vintage late 30's/early 40's. The manuals that I also have are dated 11/01/41. I received a couple of inquiries wondering if it was something=

else and thought I'd give a little more info. It is about the same size = as the BC-433, MN-26, etc. which I also have some dirty examples of.

73,
Robert Downs
WA5CAB
Houston, TX

Date: Sat, 2 Jan 1999 09:50:45 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: ? equipment id question ?
Message-ID: <Pine.SUN.3.96.990102094620.1964A-100000@indy2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

Those two devices in the photo of Fred Hammon's shack on top of the racks? They *look* like vintage GR modulation monitors! Two fan-shaped meters, big bullseye lamp between them (peak flasher) and a calibrated knob under it (to set the trip point of the flasher). If I remember right, the left meter is modulation, the right is carrier level.

...However, I could be wrong; I don't remember the GRs being quite that tall. But in all other respects, they fit my memories.

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA

Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-ID: <368E355D.DA3BFFD5@infonline.net>
Date: Sat, 02 Jan 1999 10:03:57 -0500
From: Charles Ring <charlesr@infonline.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: ? equipment id question ?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roberta J. Barmore wrote:

> Hi!
>
> Those two devices in the photo of Fred Hammon's shack on top of the
> racks? They *look* like vintage GR modulation monitors! Two fan-shaped
> meters, big bullseye lamp between them (peak flasher) and a calibrated
> knob under it (to set the trip point of the flasher). If I remember
> right, the left meter is modulation, the right is carrier level.
> ...However, I could be wrong; I don't remember the GRs being quite that
> tall. But in all other respects, they fit my memories.
>
> 73,
> --Bobbi

I have three of those (GR 1931-A). One is still in broadcast service!

73 de W3NU

To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Navy ATD and Army BC-604-A (local pickup preferred --
eastIA, noIL, soWisc)
Message-ID: <19990102.094050.8087.1.kb9iua@juno.com>
From: kb9iua@juno.com (Kevin L Anderson)
Date: Sat, 02 Jan 1999 10:30:01 EST

Hello, Boatanchor/military history collectors:

You folks get first dibs, but local pickup is preferred at
this time (Quad Cities, northern Illinois, eastern Iowa,
southwestern Wisconsin, etc.). Make offers:

1. BC-604-A wide-band FM tank transmitter. Serial No. 903. Not tested. MFP applied, no crystals, no dynamotor, missing one final or mod tube. Scratched and scuffed from years in basement storage. Never used it, so don't know it's history. Low price.

2. ATD Navy airborne transmitter. Serial no. 1220, with matching serial numbered frequency modules (one for 540-1500 kc, one for 1500-3000 kc, and two (2) for 3000-9050). Not tested. Missing right end plate. No control head and no dynamotor. Still with original frequency calibration plate on the top and with meters. Never used it, so don't know it's history. (Possibly never used given matching freq modules are still with it.) Good to good-plus, although dusty, outside condition; inside is clean, especially in the sealed frequency modules. (Really neat construction in those modules!) Moderate price.

Please e-mail contact with offers or further questions.

Cheers/73. Kevin

kb9iua@juno.com

p.s. Back to reading a back-log of BA digests :-).

Kevin Anderson, KB9IUA, Rock Island IL USA

kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Message-Id: <3.0.6.32.19990102104037.007ab4e0@serv01.net-link.net>

Date: Sat, 02 Jan 1999 10:40:37 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Bill Robbins <billrobb@net-link.net>

Subject: FS: Heathkit Manuals

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

After cleaning the files, I am selling these manuals. All on this list are \$8 each, SHIPPED:

AF-1 Audio Freq Meter

AG-7 Audio Generator

AO-1	Audio Oscillator
BE-1	Battery Eliminator
BE-3	Battery Eliminator
BE-4	Battery Eliminator
BF-1	Battery Eliminator Filter
C-2	Condenser Checker
C-3	Condenser Checker
CM-1015	Engine Analyzer
CP-1060	Capacitive Discharge Ignition
CT-1	Capaci-tester
FM-2	Freq Modulation Tuner
FMO-1	FM Test Oscillator
G-1	Signal Genrator
GD-29	Electronic Oven
GR-53A	Color TV Set
GR-104	12" TV Set
GW-10	CB Transceiver
IB-2	Impedance Bridge
IB-2A	Impedance Bridge
ID-22	Electronic Switch
IG-42	Lab Type Signal Generator
IG-52	Television Align Generator
IG-72	Audio Generator
IG-82	Sine-Square Wave Generator
IO-12	Lab 5" Oscilloscope
IO-18	Lab 5" Oscilloscope
IN-17	Decade Resistance Kit
IN-27	Decade Capacitance Kit
IN-3117	Decade Resistance Kit
IT-11	Capacitor Checker
IT-12	Visual-Aural Sig Tracer
M-1	Handitester
O-6	Oscilloscope
O-10	Lab Oscilloscope
O-12	Lab Oscilloscope
RF-1	RF Signal Generator
SG-6	Signal Generator
SG-8	Signal Generator
SKL-100	Educational Series
T-3	Visual-Aural Signal Tracer
TS-4	Television Align Generator
TS-4A	Television Align Generator
TT-1	Tube Tester
TT-1A	Tube Tester
V-1	VTVM
V-2	VTVM
V-2A	VTVM
V-4A	VTVM

V-6 VTVM
V-7 VTVM
V-7A VTVM
VC-1 Voltage Calibrator
VC-3 Voltage Calibrator

Happy Holidays

Bill

Heathkit Collector

WA8CDU formerly WN8CDU

Message-ID: <368E4871.71C7@worldnet.att.net>
Date: Sat, 02 Jan 1999 11:25:22 -0500
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Steam Whistles - only safer.....
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Hawkins wrote:

>

> Yeah, Scott, I was thinking the same thing. The trick is to get a 55 gallon
> drum, put 10 gallons of water in it, pipe up the whistle(s), and light a
> fire under it. Just before it bursts (that's the tricky part), pull the
> handle on the whistle.

-----snip-----

to all, A safer way to accomplish this.....

With a series of pullys and cables wrapped around the 55 gallon drum, hooked to a wheel connected to a variable condenser [a vintage capacitor] wired to a 6L6 oscillator with a plate relay in series, in turn wired to a solinoid (spelling help here- but you get the idea) then hooked to the steam whistle's handel. When the drum expands, the cable is streached, turning the wheel, bringing the 6L6 oscillator into resonance, closing the relay which operates the solinoid and then pulls the whistle's handle.

With appoligies to Rube Goldberg.

73' John Dilks, K2TQN

Please visit my OldRadio Museum
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

-and=-

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-

End of BOATANCHORS Digest 2362

>From ???@??? Sun Jan 03 12:04:53 1999
Message-Id: <199901022357.RAA29251@sco.theporch.com>
Date: Sat, 2 Jan 1999 17:56:20 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2363

BOATANCHORS Digest 2363

Topics covered in this issue include:

- 1) Need info on Hallicrafters SR150, CW power down. and need skematic
by "Jim Zellmer" <zellmer@raccoon.com>
- 2) Re: Steam Whistles
by N5CM@aol.com
- 3) Re: Steam Whistles - only safer.....
by lurch <lurch@theramp.net>
- 4) Re: Steam Whistles
by jackiv@juno.com (John M Iverson)
- 5) Re: Tubes for Zenith trans - oceanic
by "Deane D McIntyre" <dmcintyr@ucalgary.ca>
- 6) NC-300 Band Switch Cord Stringing
by Jim Roik <jnroik@escape.ca>
- 7) Re: Steam Whistles
by "Roberta J. Barmore" <rbarmore@indy.net>
- 8) Re: Mail Order Business
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 9) Re: NC-300 Band Switch Cord Stringing
by jackiv@juno.com (John M Iverson)
- 10) Re: Steam Whistles
by Richard Loken <richardlo@devax.admin.athabascau.ca>

- 11) Zenith trans-oceanic tubes needed.
by "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
- 12) Re: Steam Whistles and the steam powered boat anchors hobby
by Richard Loken <richardlo@devax.admin.athabasca.ca>
- 13) Re: Steam Whistles - only safer.....
by "Arden Allen" <gumbear@pacbell.net>
- 14) RE :Zenith trans - oceanic info received - good tips.
by "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
- 15) RE: Steam Whistles
by "Jim Berry" <basalop@gte.net>
- 16) GASKETS
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 17) RE: Tubes for Zenith trans-oceanic
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 18) Re: Compactrons
by mblair@gruumsh.irv.ca.us
- 19) Some MARS mysteries solved
by Tom Norris <badger@telalink.net>
- 20) Re: Tubes for Zenith trans-oceanic
by Al Klase <skywaves@bw.webex.net>
- 21) Re: Some MARS mysteries solved
by "Mike B. Feher" <n4fs@monmouth.com>
- 22) Re: Steam Whistles
by N5CM@aol.com
- 23) B&W 5100B questions
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 24) ** NEW AR-88 WEB pages! **
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>

Message-ID: <000301be366d\$4173dd00\$0e865aa5@Raccon.com>
From: "Jim Zellmer" <zellmer@raccoon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need info on Hallicrafters SR150, CW power down. and need skematic
Date: Sat, 2 Jan 1999 10:30:47 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good Morning

I have been working on a SR 150 and have run into a couple of problems,

I aligned the rig last fall and got it working pretty good on SSB. A whistle will get the Watt meter to 100 watts on all bands. Audio reports have be good. My problem is with the CW mode. I get 120 Watts on 80 meters, about 25 watts on 40 meters. and

somewhat less on 20. 15 and 10. The CW note on a monitor receiver sounds good. Any suggestions?

My section problem is that I seem to have misplaced the Skematitac from the manual. Does any one have a copy they could scan and forward via email.

12" of snow out side. Think I will work on boat anchors.

May the God who is both Great and God bless you all.

73

Jim Zellmer, KA0VSL

From: N5CM@aol.com
Message-ID: <30777a30.368e4a72@aol.com>
Date: Sat, 2 Jan 1999 11:33:54 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: Steam Whistles
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,

Re: Using a 55 gal. drum as a boiler to blow "steam whistle" is good idea but please put a "pop-off" valve on it. You can salvage one probably from an old discarded hot water heater. Better check it tho as it may not protect.

Ken....N5CM....

Message-ID: <368E4FBF.AADEB66F@theramp.net>
Date: Sat, 02 Jan 1999 10:56:31 -0600
From: lurch <lurch@theramp.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Steam Whistles - only safer.....
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

nah, the expansion characteristics of the drum may not be consistent--you wanna take the chance the drum is made out of scrapped HX-50 chassis parts?--what you need to do, is a [preferably from a Collins PT0] slug attached to a pressure-gauge Bourdon tube in the oscillator grid tank circuit, with fixed-tuned

plate tank, and when the rig hits resonance, the 866 HV rectifier glow will have lower brightness, which will register on the photomultiplier tube, which will change the bias on the clamp tube, which will close the relay, which will activate the 400 cps 3-phase motor from a 180S1 mechanism, which will wind up the cord connected to the whistle handle...

and if you make the mounting brackets out of old BC221 tuning caps, you can get a degree of sensitivity adjustability by which way you orient the brackets...planar with or perpendicular to the fire...

73, all...

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Sat, 2 Jan 1999 11:10:06 CST
Subject: Re: Steam Whistles
Message-ID: <19990102.111113.3550.2.jackiv@juno.com>
From: jackiv@juno.com (John M Iverson)

as a word of WARNING do not exceed 10 lbs/ sq in with the average drum.
the seam splits real easy. from one who has been there. jak
Jack Iverson K0EWU jackiv@juno.com

On Sat, 2 Jan 1999 11:33:54 EST N5CM@aol.com writes:

>Hi Gang,

>

>Re: Using a 55 gal. drum as a boiler to blow "steam whistle" is good

>idea but please put a "pop-off" valve on it. You can salvage one

>probably

>from an old discarded hot water heater. Better check it tho as it may

>not

>protect.

>

>Ken....N5CM....

>

>

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 2 Jan 99 10:21:49 -0700
Message-Id: <9901021721.ZZ008839@acs6.acs.ucalgary.ca>
From: "Deane D McIntyre" <dmcintyr@ucalgary.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tubes for Zenith trans - oceanic

In message writes:

>
>
> Anchorites,
>
> I have just about finished restoring a 1950 trans - oceanic (if you have a
> web browser you can see pictures of it at
> <http://www.computer-connection.net/~jwilkows/joe2003.htm>) and have
> recapped
> it and replaced the selenium rectifier with a silicon diode (left the
> selenium one in there for looks) any way, here is my dilemma. I need a
> 3V4
> output audio amp (open filament probably from inrush current) and also a
> 1L6 (which I know are rare as hen's teeth and just as expensive) it has a
> very low emission probably not suitable to produce any kind of mixing
> products.
>
> If you know of a source , please let me know as I am dying to get some pear
> shaped tones out of this radio.
>

Joe:

I looked at the radio on your web page and it looks like you did a great job in restoring it! Mine (a A600 from 1957) works well but looks, shall we say, used....

Ah, the 1L6 PROBLEM.....

Mine had a 1R5 in the 1L6 socket when I got it. A 1R5 will work in place of a 1L6 on the BC band (as well as a 1L6), will work fairly well up to 8 Mc but forget the higher bands when you do this. For a detailed discussion see <http://www.freivald.org/~padgett/radios.htm>

Anyhow I had a 1L6 pull in the tube stash that works reasonably well but really should replace it. One source that has them in stock, at (gasp) \$30 each, is Antique Electronic Supply (<http://www.tubesandmore.com/>) who apparently found a stash at a DOD auction some time ago. Other tube vendors may list them at a lower price but they tend to have no stock. They also have 3V4 tubes for about \$6-7, but they are available for less from most tube vendors (for a list see the Sources of Electronic Components section on my page, <http://deane.bio.ucalgary.ca/>)]

The other tubes in your set, 1U4 and 1S5 are quite common; I have had good luck with the pulls that Fair Radio Sales sells for 10/\$8. The 1DN5 is a good sub for the 1U5 used in post- 1951 sets and is cheaper but 1U5's are also quite cheap. At least your set does not need the scarce 50A1 ballast tube used in the 600 series sets, they are almost as scarce as the 1L6 but can be replaced with a resistor.

73, Deane D McIntyre VE6BP0
dmcintyr@ucalgary.ca

P.S. When you replaced the Se rectifier with a Si diode did you put a resistor in series...voltage drop across a Si diode is less and you filament voltage, as you set does not use a ballast tube, may be too high. And Murphy's law dictates that the 1L6 filament will be the first one to go....

Message-Id: <3.0.1.32.19990102113928.006f729c@mail.escape.ca>
Date: Sat, 02 Jan 1999 11:39:28 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Roik <jnroik@escape.ca>
Subject: NC-300 Band Switch Cord Stringing
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone happen to have a parts NC-300/NC-303 from which I could get the bead chain for the band switch dial cord? Or does anyone know who might have bead chains for sale.

I'm restoring an NC-300 which has the chain missing and all I can seem to find here is a chain with nine beads to the inch. This one has the beads a bit too close together and I can't set it up for the drum to be aligned at both ends of its rotation. I suspect I need a chain with eight beads to the inch.

Or is there something I'm missing in whar I'm trying to do?

Thanks.

Jim VE4AQ

Date: Sat, 2 Jan 1999 12:49:57 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Steam Whistles

Message-ID: <Pine.SUN.3.96.990102123250.13043A-100000@indy3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gang!

Okay, okay--if folks want to get into *serious* heavy old iron, I think Ramsey reprints some books covering steam engineering; and the construction and operation of *model* steam engines and boilers is a flourishing hobby. (There's even a rideable small steam engine train operating in Indiana--they brought it to a model train show here awhile ago, though safety regs required 'em to run it off compressed air indoors. Perhaps 2-foot gauge). You could scale up the designs, which were originally scaled *down* from real ones. Small Parts, Inc. has a Live Steam division, and Campbell Tools (Selma, OH) is into steam; both carry a lot of parts & kits for the small-scale steam enthusiast. (A hobby closely related to home shop machining, as you can't make a scratch-built steam engine without a machine shop in your basement). Please remember, steam-boiler operation was one of the first professions to require training & licensing and it wasn't that way on a whim...! (BOOM! Not the risk running your own acetylene plant would be but still...).

...Shouldn't wonder if owners of steam whistles might be able to add some water vapor to their compressed air for a more realistic sound. Oil-adding widgets are a common accessory, maybe adaptable? (And would the steam calliope be the "R390" of this affliction?) (Heyyyy--howzabout a steam-powered, tube-gear Field Day? That'd be a crowd-pleaser!)

BA content: there's a foot of snow on the ground and it is radio weather. I'm gonna patch the hole in the basement window and see what's on 20m! 40 later, probably with Real Tubes. Or 80 if the X's are low. No icing on the antenna yet but the day is young and the weather gurus seem sanguine about the prospect. 'Druther have more snow, it shovels easier.

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-Id: <199901021801.NAA55772@ns2-1.CC.Lehigh.EDU>
Date: Sat, 02 Jan 1999 13:01:30 EST
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Re: Mail Order Business
To: Old Tube Radios <boatanchors@theporch.com>

cc: jshillw6ivw@earthlink.net

You can order mail order from any Radio Shack store. They have a catalog that they can show you if you ask for it. It tends to be steeply priced unless you need a number of items because of the shipping costs.

Art K3HBA

>I'm trying to remember the name and site address of a mail order (and
>probably walk-in) business that some say is connected with Radio Shack. It
>has been mentioned here and in the newsgroups in the past as a source of
>parts, particularly when a particular part is no longer available at Radio
>Shack.

>Thanks, Jim

>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: boatanchors@theporch.com

Date: Sat, 2 Jan 1999 12:37:38 CST

Subject: Re: NC-300 Band Switch Cord Stringing

Message-ID: <19990102.123952.3550.3.jackiv@juno.com>

From: jackiv@juno.com (John M Iverson)

look in the drug store or other places for the chain used for dog tags
etc. the small bead stuff works real good jak

Jack Iverson K0EWU jackiv@juno.com

On Sat, 02 Jan 1999 11:39:28 -0600 Jim Roik <jnroik@escape.ca> writes:

>Does anyone happen to have a parts NC-300/NC-303 from which I could
>get the

>bead chain for the band switch dial cord? Or does anyone know who

>might

>have bead chains for sale.

>

>I'm restoring an NC-300 which has the chain missing and all I can seem

>to

>find here is a chain with nine beads to the inch. This one has the

>beads a

>bit too close together and I can't set it up for the drum to be

>aligned at

>both ends of its rotation. I suspect I need a chain with eight beads

>to the

>inch.

>

>Or is there something I'm missing in whar I'm trying to do?

>

>Thanks.

>

>Jim VE4AQ

>

>

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 02 Jan 1999 11:43:33 -0700 (MST)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: Steam Whistles
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.990102113630.541067359D-100000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Sat, 2 Jan 1999 N5CM@aol.com wrote:

> Re: Using a 55 gal. drum as a boiler to blow "steam whistle" is good
> idea but please put a "pop-off" valve on it. You can salvage one probably
> from an old discarded hot water heater. Better check it tho as it may not
> protect.

By Gar! You guys are getting close... Use a the iron bottle out of a
gas fired hot water tank and then you have a fitting for the whistle and
a fitting for the pressure relief valve. I sent one to the dump three years
ago, I'll run over to the land fill site and look for it.

Somebody get to work on the Rube Goldberg actuator assembly.

Oh BTW, get the police to clear evary body out of one block area around the
whistle just to be sure. I read a eye witness report of steam locomotive
boiler explosion caused by exposing the crown sheet wherein the boiler
launched itself out of the locomotive and landed about 50 yards away.

That must be just a story. That couldn't really happen. Nahh!

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Content-return: allowed

Date: Sat, 02 Jan 1999 10:55:03 -0800
From: "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
Subject: Zenith trans-oceanic tubes needed.
To: Old Tube Radios <boatanchors@theporch.com>
Cc: k8fc@contesting.com
Message-id: <8B049D471C61D111847C00805FA67B1C011CC3F3@USA0129MS1>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"

Hi folks, don't know what happened because I thought I sent this out to the list last night. I just finished cosmetically and electrically restoring a 50 year old Zenith trans - oceanic model H-500. (you can see the rig at <http://www.computer-connection.net/~jwilkows/joe2003.htm>) I have removed all the paper caps and replaced them with orange drops. I also replaced the selenium rectifier with a silicon diode. (left the selenium rectifier in the radio for aesthetics).

My problem is the 1L6 has very low emission and the 3V4 has an open filament (probably due to inrush damage) I am in need of these tubes. I understand they are rare and expensive, but I have no choice as the radio deserves to be brought to life. Anyone have spares to their needs ? Or, point me in the right direction ? I have an older addition of "Antique Radios" catalog and they carried them two years ago but I thought I would check here first.

Thanks for all your help in advance,

/joe k8fc

Date: Sat, 02 Jan 1999 12:05:54 -0700 (MST)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: Steam Whistles and the steam powered boat anchors hobby
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.990102114827.541067359E-1000000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Sat, 2 Jan 1999, Roberta J. Barmore wrote:

> Oil-adding widgets are a common accessory, maybe adaptable? (And would
> the steam calliope be the "R390" of this affliction?) (Heyyyy--howzabout
> a steam-powered, tube-gear Field Day? That'd be a crowd-pleaser!)

Ah, the mellow sound of the old coal fired transmitters!

At 11:30AM on Saturdays the CBC runs "The Great Eastern" from Newfoundland ("520 on the Long Wave!") wherein they announce that they originate from the Broadcast Corporation of Newfoundland who run the last surviving coal fired transmitters in the world.

They read a letter from a listener last year suggesting that the coal fired transmitters be replaced for environmental reasons but the announcer, (former down and out druggie) Paul Moth, replied that no modern transmitter could equal the mellow sound of a coal fired transmitter.

Just an example of our tax dollars working for us.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Message-Id: <199901021919.LAA22226@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Steam Whistles - only safer.....
Date: Sat, 2 Jan 1999 11:20:00 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

>bringing the 6L6 oscillator into
> resonance,

I was wondering where the BA connection was. Hi!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Content-return: allowed
Date: Sat, 02 Jan 1999 13:20:01 -0600
From: "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
Subject: RE :Zenith trans - oceanic info received - good tips.
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <8B049D471C61D111847C00805FA67B1C010D6CE5@USA0129MS1>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"

Wow, this list really comes through when you need it. Received many responses and I will pick up the tubes from one of a couple of vendors. I

do want to summarize thought and mention something that did not occur to me that many of the members pointed out. I had replaced the se diode stack with a silicon diode not thinking about the voltage drop difference between the two diodes. It is important that if you do this mod you must insert ~ 20 or so ohms of resistance in the dc line to keep the voltage on the filament string down below 9 volts. Also, many members cautioned NOT to plug in the trans - oceanic with the power on switch in the on position. This all leads to incorporation of inrush protection which I plan to do long before I apply power to this rig again.

Thanks to all

/joe k8fc

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Steam Whistles
Date: Sat, 2 Jan 1999 11:22:14 -0800
Message-ID: <002d01be3685\$342765a0\$7b44fdd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When I lived in this one neighborhood, every once in a while, a steam whistle would break the silence. One of the OT's in the neighborhood told me it was a whistle from a ferry boat.

Who, what, where, no one knew. Just every now and then it would go off. I understand it was signaling either arriving or departing a dock, depending on the signal.

No one was ever able to determine who owned this whistle or where it was coming from. Sure was strange to hear on a foggy night. Bet the owner was grinning from ear to ear every time he got to blow it. Unless there was really a ghost ferry out there somewhere in the fog.

73 Jim K7SLI

Date: Sat, 2 Jan 1999 14:22:18 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>

Subject: GASKETS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901021422_MC2-654A-9C0B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

While looking for some other stuff in my storage building, I stumbled across a cardboard package of gaskets that I thought someone might have or know of a use for. They are dark gray or black rubberized fabric, teardrop shaped, with a hole pattern around the outside and two holes for I assume cables or connectors. One hole is square and the other a diagonal slot. Length is 10" and width is 5.5". I assume that they are for one of the aircraft antennas, possibly the football shaped one. Got 9 of them.

73,
Robert Downs
WA5CAB
Houston, TX

Date: Sat, 2 Jan 1999 14:22:25 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: Tubes for Zenith trans-oceanic
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901021422_MC2-654A-9C0C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Joe & Group,

Before I offer my one and only 1L6 to Joe, can anyone tell me whether it is used in any WW-II or Korean War vintage military set other than the Zenith?

I don't find it even listed in SB 11-17. The 3V4 is used in the R-174/GRR-5 and several other places and I have more 3V4's than I need.

73,

Robert Downs
WA5CAB
Houston, TX

From: mblair@gruumsh.irv.ca.us
Message-Id: <199901022022.MAA06062@gruumsh.irv.ca.us>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Compactrons
Date: Sat, 02 Jan 1999 12:22:55 -0800

Joseph W Pinner wrote:

> Compactrons were used in a number of heathkit products.

I recently picked up a couple ARC-54 sets (each missing a different major module :-), and was surprised to find a Compactron in the PA. Too bad my TV-7D doesn't know what to do with those...

--
Mark J. Blair, KE6MYK <mblair@gruumsh.irv.ca.us>
PGP 2.6.2 public key available from <http://pgp.ai.mit.edu/>
Web page: <http://members.home.net/mblair1>
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE

Message-Id: <3.0.5.32.19990102155503.00a16710@mail1.telalink.net>
Date: Sat, 02 Jan 1999 15:55:03 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: Some MARS mysteries solved
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Worked a bit on the Mars SSB convertor today, and found what had made it appear dead. After I replaced a resistor in the power supply, it appears to work. A schematic would be great though still. Very interesting to see the electro-mechanical AFC in action, gotta little disc indicator on the front panel, and a motor tuned cap for correction. Now did the CV-157 use a similar AFC set-up? (did it have AFC??) Or am I thinking of one of the RTTY convertors?

Now for the bad news: It wants a 100KC IF input. What would be the best mixer design to get my 455 down to 100 KC?
(quiz: what rx's out there had a 100 Kc IF?)

I really would like to use it with the 390A. It just looks neat, plus it can do SSB/DSB or ISB in one or two channels. Bringing the two channels out to a set of stereo phones with one sideband in each ear should be interesting.....

Apparently I have the only one of these in captivity, as several years of trying has not even got that first reply of anyone ever having heard of Mars Electronics, much less this beast. Must have been one of those small 60's contractors or something.

Anyone else heard of Mars Electronics?

Thanks

Tom KA4RKT

Didnt get the first message and want to look at this hunk of iron?
go to - <http://www.telalink.net/~badger/mars/mars.html>

Message-ID: <368EA316.498BED61@bw.webex.net>
Date: Sat, 02 Jan 1999 17:52:06 -0500
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tubes for Zenith trans-oceanic
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 1L6 was also used in the R-1004/GRC-109 receiver. These special forces sets were used throughout the Viet Nam era. I wonder if there's any quantity of these languishing in an Army depot somewhere.

73,
Al

ROBERT W. DOWNS wrote:

>
> Joe & Group,
>
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> used in any WW-II or Korean War vintage military set other than the Zenith?
> I don't find it even listed in SB 11-17. The 3V4 is used in the
> R-174/GRR-5 and several other places and I have more 3V4's than I need.
>
> 73,

> Robert Downs
> WA5CAB
> Houston, TX

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-ID: <00ae01be36bc\$90c16ea0\$811abfd1@n4fs>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Some MARS mysteries solved
Date: Sat, 2 Jan 1999 17:58:29 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom & Group -

The Racal RA-17 has a 100KHz IF as I have one with the sideband converter.
FB on your picture, HI. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

From: N5CM@aol.com
Message-ID: <2fe63fa6.368eaa65@aol.com>
Date: Sat, 2 Jan 1999 18:23:17 EST
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Subject: Re: Steam Whistles
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Jack,

Thanks for the info. I had no idea what pressure the oil drums could stand.

Alternate suggestion: a hot water heater that is still good. It has the "pop-off" safety valve and should do the job.

Anyone have the specs for small metal tube or bambo whistles?

73....Ken....N5CM....

Mime-Version: 1.0
Date: Sat, 2 Jan 1999 17:41:02 -0800
Message-ID: <00205009.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: B&W 5100B questions
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Happy New Year to all,

I am restoring one of my 5100B's for a list member and have some questions:

1. I can't find the recent issue of ER with the article that details fixing the drift problem of the 5100B VFO. What is the NPO capacitor value, where does it go and what's the ER issue?
2. What is the correct color of the lens covering the transmit light? Two of mine have translucent white lenses and the other one has a transparent red lens.
3. Did B&W offer 50 Ohm versions of their low pass filters that will fit in the existing space in the 5100B?

Thanks for your time,

Brian Harris WA5UEK

Message-Id: <3.0.1.32.19990103005952.006d2bcc@pop.ctv.es>
Date: Sun, 03 Jan 1999 00:59:52 +0100
To: Old Tube Radios <boatanchors@theporch.com>
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
Subject: ** NEW AR-88 WEB pages! **
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

As title says, I have just uploaded the new AR-88 pages to my WEB site

(address is my signature). They are still under construction (I plan to add some technical info), but I think you will enjoy the pictures. Please, let me know what do you think about them.

Thanks!

Happy 1999!!!

JOSE

73 EB5AGV / EC5AAU
JOSE V. GAVILA
Ausias March 46, 15
46910 Benetusser - VALENCIA
SPAIN

** VISIT MY VINTAGE RADIO SITE - updated 3-January-1999 **
<http://www.geocities.com/SiliconValley/6992/>
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

End of BOATANCHORS Digest 2363
